

American Micro Industries, Inc.

PRODUCT DATA SHEET: ECHO ABSORBER™

DESCRIPTION:

ECHO ABSORBER™ is a light weight, thermally bonded acoustical pad made from recycled cotton products. It is one of the most cost effective, sound absorbing materials on the market with a Class A fire rating. ECHO ABSORBER™ does not contain Volatile Organic Compounds (VOCs), fiberglass or formaldehyde. This easy to install product is fungi, mold/mildew resistant and available in white, gray or charcoal.

APPLICATIONS:

ECHO ABSORBER™ can be used as sound absorbing independent wall panels and hanging baffles. This product can be applied between the studs or joists prior the application of the drywall. Practical applications include, but are not limited to; auditoriums, gymnasiums, classrooms, cafeterias, worship centers, music rooms, music studios, band rooms and community centers.

PRODUCT AVAILABILITY:

- 2 x 24 x 48 inch, 3 lb white panel (Part #: EA224W3)
- 2 x 24 x 48 inch, 3 lb gray panel (Part #: EA224G3)
- 2 x 24 x 48 inch, 3 lb charcoal panel (Part #: EA224C3)
- 1 x 24 x 48 inch, 6 lb white panel (Part #: EA124W6)
- 1 x 24 x 48 inch, 6 lb gray panel (Part #: EA124G6)
- 1 x 24 x 48 inch, 6 lb charcoal panel (Part #: EA124C6)

TECHNICAL DATA:

CHARACTERISTICS

Physical Property	Value	Test Standard
Color	White, Gray & Charcoal	n/a
Thickness	1" & 2"	n/a
Density	3 lbs/ft ³ & 6 lbs/ ft ³	n/a
Corrosion Resistance	Meets	ASTM C 739
Fungi Resistance	Meets	ASTM C 739
Odor Resistance	Meets	ASTM C 739
Flammability	Class A	ASTM E 84
	Flame Spread Index 5 Smoke Development 35	ASTM E 84

NORMAL SOUND ABSORPTION/NOISE REDUCTION

Freq. Hz	125	250	500	1000	2000	4000	NRC
2" Thick 3 lb panel (%)	0.35	0.94	1.32	1.22	1.06	1.03	1.15
1" Thick 6 lb panel (%)	0.07	0.30	0.86	1.10	1.05	1.03	0.85

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ECHO ABSORBER™

SABINS/BAFFLE

Freq. Hz	125	250	500	1000	2000	4000	Sabins/avg.
1 x 24 x 48 inch baffle (Sabins*)	2.43	4.93	8.34	12.35	15.57	16.73	10.30
2 x 24 x 48 inch baffle (Sabins*)	2.40	6.55	12.86	17.46	18.49	16.77	13.85

* Sabin is a unit of acoustic absorption equivalent to the absorption by one square foot of a surface that absorbs all incident sound.

The information contained herein is typical and based upon the results of controlled laboratory tests. The information is accurate to the best of American Micro Industries, Inc.'s knowledge. Product performance may vary based on the particular application and installation techniques utilized.

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